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(54) POLYPEPTIDE

(57)Abstract:

PURPOSE: To provide a new transformed human TNF having antitumor action similar to that of human TNF or its conversion product and free from promoting action on cancer metastasis in contrast with human TNF.

CONSTITUTION: The objective polypeptide is a tumor necrosis factor polypeptide or its conversion product having an amino acid sequence expressed by the amino acids from the 1st Ser to the 155th Leu of formula provided that the amino acid sequence from the 1st Ser to the 8th Asp or the corresponding amino acid sequence of the conversion product contains at least one amino acid sequence of Arg-Gly-Asp and is substituted with an amino acid sequence containing 3 to 16 amino acids. The present invention also relates to a conversion product of the polypeptide, a plasmid, a transformant, their production process, a pharmaceutical composition and a DNA.

Ser Asp Ser Pro Tyr Pro Ser Asp Lys Pro Val Ala His Val Ser Ala
1 5 10 35
Lys Pro Glu Ala Gly Glu Leu Glu Tyr Lys Asp Arg Arg Pro Asp
20 35 50
Ala Leu Leu Ala Lys Gly Val Glu Leu Arg Asp Arg Glu Leu Val Val
25 40 45
Pro Ser Glu Gly Lys Tyr Leu Glu Tyr Ser Glu Val Lys Pro Lys Gly
50 55 60
Glu Gly Ser Pro Ser Val His Val Leu Leu Thr Glu Thr Glu Ser Arg
65 70 75 80
Leu His Val Ser Tyr Val Thr Lys Val Asp Leu Leu Ser Ala His Lys
85 90 95
Ser Pro Glu Glu Arg Glu Thr Pro Glu Gly Ala Glu Ala Leu Pro Thr
100 105 110
Thr Glu Pro His Tyr Asp Gly Gly Val Pro Glu Leu Glu Lys Gly Asp
115 120 125
Arg Leu Ser Ala Glu His Asp Lys Pro Asp Tyr Leu Glu Pro Ala Glu
130 135 140
Ser Gly Glu Val Tyr Pro Gly His Thr Ala Lys
145 150 155

LEGAL STATUS

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